

1						60
a)	NDVARGIVKA	DVAQNNYGLY	GQGQVVAVAD	TGLDTGRNDS	SMHEAFRGKI	TALYALGRTN
b)	NDVARGIVKA	DVAQNNYGLY	GQGQLVAVAD	TGLDTGRNDS	SMHEAFRGKI	TALYALGRTN
c)	NDVARGIVKA	DVAQNNFGLY	GQGQIVAVAD	TGLDTGRNDS	SMHEAFRGKI	TALYALGRTN
61						120
a)	NANDPNHGHT	HVAGSVLGNA	LNKGMAPQAN	LVFQSIMDSS	GGLGGLPSNL	NTLFSQAWNA
b)	NASDPNHGHT	HVAGSVLGNA	LNKGMAPQAN	LVFQSIMDSS	GGLGGLPSNL	NTLFSQAWNA
c)	NANDPNHGHT	HVAGSVLGNA	TNKGMAPQAN	LVFQSIMDSG	GGLGGLPANL	QTLFSQAYSA
121						180
a)	GARIHTNSWG	APVNGAYTAN	SRQVDEYVRN	NDMTVLFAAG	NEGPNSGTIS	APGTAKNAIT
b)	GARIHTNSWG	APVNGAYTAN	SRQVDEYVRN	NDMTVLFAAG	NEGPNSGTIS	APGTAKNAIT
c)	GARIHTNSWG	APVNGAYTTD	SRNVDDYVRK	NDMTILFAAG	NEGPGSGTIS	APGTAKNAIT
181						240
a)	VGATENYRPS	FGSLADNPNH	IAQFSSRGAT	RDGRIKPDVT	APGTFILSAR	SSLAPDSSFW
b)	VGATENYRPS	FGSIADNPNH	IAQFSSRGAT	RDGRIKPDVT	APGTFILSAR	SSLAPDSSFW
c)	VGATENLRPS	FGSYADNINH	VAQFSSRGPT	RDGRIKPDVM	APGTYILSAR	SSLAPDSSFW
241						300
a)	ANYNSKYAYM	GGTSMATPIV	AGNVAQLREH	FIKNRGITPK	PSLIKAALIA	GATDVGLGYP
b)	ANYNSKYAYM	GGTSMATPIV	AGNVAQLREH	FIKNRGITPK	PSLIKAALIA	GATDVGLGYP
c)	ANHDSKYAYM	GGTSMATPIV	AGNVAQLREH	FVKNRGVTPK	PSLLKAALIA	GAADVGLGFP
301						360
a)	SGDQGWGRVT	LDKSLNVAYV	NEATALATGQ	KATYSFQAQA	GKPLKISLVW	TDAPGSTTAS
b)	SGDQGWGRVT	LDKSLNVAYV	NEATALATGQ	KATYSFQAQA	GKPLKISLVW	TDAPGSTTAS
c)	NGNQGWGRVT	LDKSLNVAFV	NETSPLSTSQ	KATYSFTAQA	GKPLKISLVW	SDAPGSTTAS
361						420
a)	YTLVNDLDLV	ITAPNGQKYV	GNDFSYPYDN	NWDGRNNVEN	VFINAPQSGT	YTIEVQAYNV
b)	YTLVNDLDLV	ITAPNGQKYV	GNDFSYPYDN	NWDGRNNVEN	VFINAPQSGT	YIIEVQAYNV
c)	LTLVNDLDLV	ITAPNGTKYV	GNDFTAPYDN	NWDGRNNVEN	VFINAPQSGT	YTVEVQAYNV
421		433				
a)	PSGPQRFSLA	IVH				
b)	PSGPQRFSLA	IVH				
c)	PVSPQTFSLA	IVH				

Fig. 1

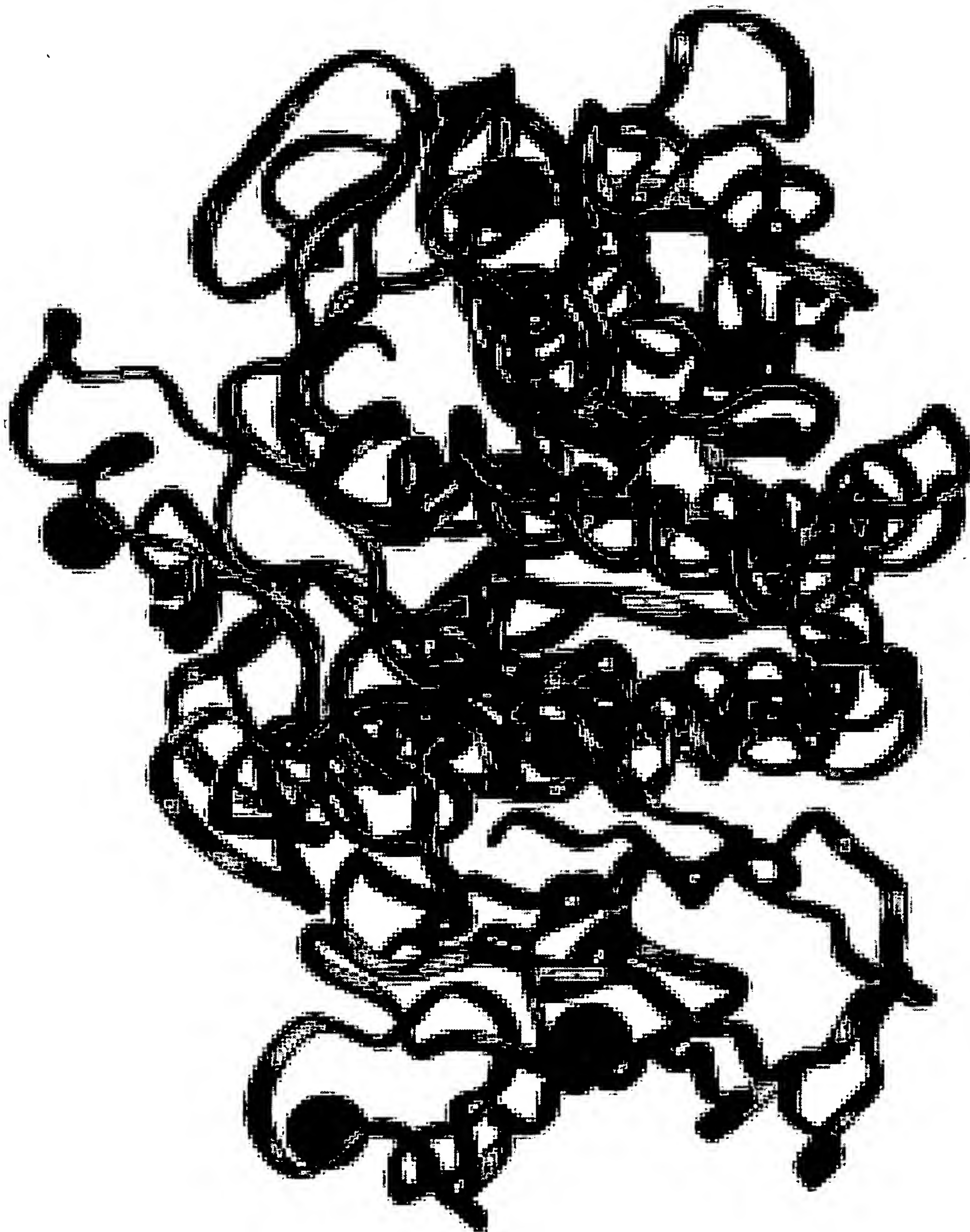


Fig. 2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	100	94	53	53	51	53	53	52	52	53	55	52	52	51	51	51	50
2		100	52	53	53	51	51	49	50	51	50	54	54	53	54	54	54
3			100	93	76	51	50	51	55	52	54	58	58	59	57	60	60
4				100	75	52	52	52	56	51	55	58	58	61	58	62	61
5					100	60	60	60	58	60	62	58	57	59	59	62	59
6						100	99	99	97	91	46	63	69	74	66	74	74
7							100	99	97	90	76	69	74	66	74	74	56
8								100	98	91	77	63	69	74	66	74	74
9									100	88	79	69	67	74	74	74	74
10										100	77	66	71	74	67	74	74
11											100	64	69	74	67	73	73
12												100	99	76	72	76	76
13													100	76	76	76	76
14														100	99	99	99
15															100	99	99
16																100	98
17																	100

Fig. 3

1)	AVPS-TQTPW	GIKSIYNDQS	ITK-TTGGSG	IKVAVLDTGV	YT-----SH	LDLAGSAEQC	
2)	----AQSVPY	GVSQIKAPAL	HSQ-GYTGSN	VKVAVIDSGI	DS-----SH	PDLK--VAGG	
3)	----AQSVPW	GISRVQAPAA	HNR-GLTGSG	VKVAVLDTGI	S-----TH	PDL--NIRGG	
4)	-----NDV	ARGIVKADVA	QNNFGLYGQG	QIVAVADTGL	DTGRNDSSMH	EAFRGKITAL	53
	1						
1)	KDFTQSNPLV	DGSC-TDRQG	HGTHVAGTVL	AHGGSNQGQV	YGVAPQAKLW	AYKVLGD-NG	
2)	ASMVPSET--	--PNFQDDNS	HGTHVAGTVA	ALN--NSIGV	LGVAPSSALY	AVKVLGD AG	
3)	ASFVPGEP--	--ST-QDGNG	HGTHVAGTIA	ALN--NSIGV	LGVAPSAELY	AVKVLGA-SG	
4)	YALG-RTN--	--NA-NDPNG	HGTHVAGSVL	GN---ATNKG	MAPQANLVFQ	SIMD-SGGGL	106
	54						
1)	SGY--SDD-I	AAAIRHVADE	ASRTGSKVVI	NMSLGSSA--	-KDSLIASAV	DYAY-GKGV	
2)	SGQ--YSW-I	INGIEWAIA	N-----MDVI	NMSLGGPS--	-GSAALKAAV	DKAV-ASGVV	
3)	SGS--VSS-I	AQGLEWAGNN	G-----MHVA	NLSLGSPS--	-PSATLEQAV	NSAT-SRGVL	
4)	GGLPA-NLQT	LFSQAYSAGA	R-----IHTN	SWGAPVNGAY	TTDSRN-VDD	YVRKNDMTIL	156
	107						
1)	IVAAAGNSGS	G---SNTIGF	PGGLVNAVAV	AALEN-----	-----VQQNG	TYRVADEFSSR	
2)	VVAAAGNEG-	STGSSSTVGY	PGKYPSVIAV	GAVDS-----	-----S----	-NQRASFSSV	
3)	VVAASGNSGA	-----GSISY	PARYANAMAV	GATDQ-----	-----N----	-NNRASFSQY	
4)	FAAGNEGPGS	G---TISAPG	TAKNAITVGA	TENLRPSFGS	YADNIN----	-HVAQFSSRG	208
	157						
1)	GNPATAGDYI	IQERDIEVSA	PGASVESTWY	T-----	---GGYNTIS	GTSMATPHVA	
2)	GP-----	----ELDVMA	PGVSIQSTLP	G-----	---NKYGAYN	GTSMASPHVA	
3)	GA-----	----GLDIVA	PGVNVQSTYP	G-----	---STYASLN	GTSMATPHVA	
4)	PTRDGRIK--	----PDVMAP	GTIILSARSS	LAPDSSFWAN	HDSKYAYMGG	TSMATPIVAG	262
	209						
1)	GLAAKIWSAN	T-----SLSH	SQLRTELQNR	AKVYDIKGGI	GAGTGDDYAS	GFGYPRVK--	
2)	GAAALILSKH	P-----NWTN	TQVRSSLQNT	T--TKLG---	-----DSFY	GKGLINVQAA	
3)	GAAALVKQKN	P-----SWSN	VQIRNHLKNT	A--TSLG---	-----STNLY	GSGLVNAEAA	
4)	NVAQLREHFV	KNRGVTPKPS	LLKAALIAGA	A--DVGLGFP	-----NGNQ	WGRVTLDKSL	315
	263						
1)	-----	-----	-----	-----	-----	-----	
2)	AQ-----	-----	-----	-----	-----	-----	
3)	TR-----	-----	-----	-----	-----	-----	
4)	NVAFVNETSP	LSTSQKATYS	FTAQAGKPLK	ISLVWSDAPG	STTASLTLVN	DLDLVITAPN	375
	316						
1)	-----	-----	-----	-----	-----	-----	
2)	-----	-----	-----	-----	-----	-----	
3)	-----	-----	-----	-----	-----	-----	
4)	GTKYVGNDFT	APYDNNWDGR	NNVENVFINA	PQSGTYTVEV	QAYNVPGVPQ	TFSLAIVH	433
	376						

Fig. 4